

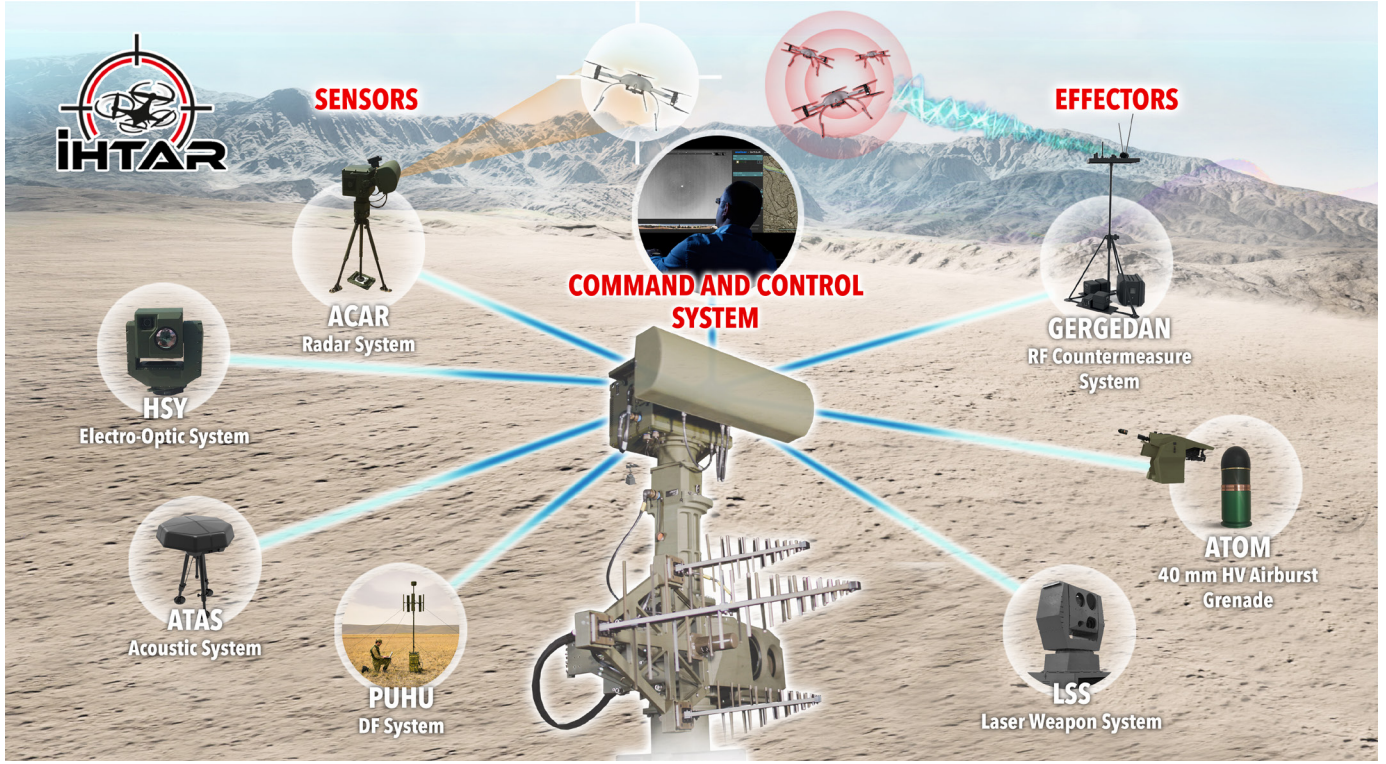
aselsan



İHTAR

ANTI-DRONE SYSTEM





IHTAR

ANTI-DRONE SYSTEM

ASELSAN's anti-drone system, aims to neutralize mini and micro UAV threats in urban and rural environments. It is used for Protection of critical facilities, Prevention of illegal border leaks and Safety of highly populated events.

General Specs

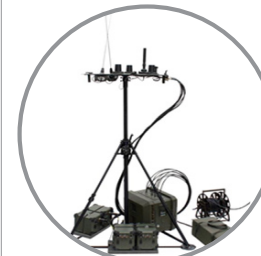
- Detecting and tracking multiple UAVs with high accuracy using portable radar
- Low false alarm rate
- Recognizing the threats from a distance using tv/thermal cameras
- Automatic video tracking
- Directional jamming capability for specific threats
- Omni directional jamming capability for swarm attacks
- Software programmable jamming frequencies
- Requires minimum operator intervention
- Built-in-Test (BIT) capabilities
- Operating in all-weather conditions for 7/24
- Customizable with its open and modular architecture
- Compatible with military standards
- Available in various configurations (fixed, deployable etc.)
- Easy to include other means of sensors (acoustic drone detection system, direction finding (DF) system) and effectors (Unmanned air vehicle [UAV] hard kill system, Laser defense system)



Command and Control System



ACAR Radar System



GERGEDAN RF Countermeasure System

General Specs

- Centralized Command & Control capabilities with integrated GIS, alarm zones, filtering etc.
- Air picture generation
- Decision support algorithms
- Sensor fusion and auto tracking
- Threat evaluation and effector allocation algorithms
- Commanding and controlling with all of sensors and effectors

General Specs

- Ku-band Pulsed Doppler Radar with Pulse Compression,
- Track-While-Scan (TWS) in Surveillance Mode,
- Multi-target Tracking, Automatic Target Tracking,
- 360° Continuous or Sector Scanning,
- Adjustable Sector Width
- Mini-UAV Detection Range (RCS: 0,8 m2): 3 km (with 40° instantaneous elevation coverage).

General Specs

- Software Defined (Programmable) Jammer Systems
- Fully Programmable State-of-Art Digital Frequency Synthesizer
- Applies jamming against at least Remote Control (RC) Devices, Radios,
- GPS receivers, Wi-Fi, ISM Bands, GSM900/1800, 3G and 4G

IHTAR Anti-Drone System

Sensor Systems

- ACAR Radar System
- HSY Electro-Optic System
- ATAS Acoustic System
- PUHU DF System

Effectors (Hardkill, Softkill)

- GERGEDAN RF Countermeasure System
- ATOM 40 mm HV Airburst Grenade
- LSS Laser Weapon System